## CARSON RIVER BASIN, CARSON DESERT

## 1031221902 S-LINE DIVERSION CANAL NEAR STILLWATER, NV

LOCATION.--Lat 39°32'01", long 118°31'06" referenced to North American Datum of 1927, in NE ½ sec. 08, T.19 N., R.31 E., Churchill County, Hydrologic Unit 16050203, on left bank, off Hunter Road, 250 ft above confluence with West Canal, 1.5 mi north of U.S.F.W.S. Stillwater Headquarters, and 2 mi northeast of Stillwater.

DRAINAGE AREA .-- Indeterminate.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1991 to September 1992, March 1993 to current year (irrigation season only).

GAGE.--Water-stage recorder. Elevation of gage is 3,880 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Annual mean listed below in summary statistics, represents average discharge for water year 1992. See schematic diagram of Carson River Basin, Middle Carson River Basin and Carson Desert.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft<sup>3</sup>/s, September 27, 2002, gage height, 4.89 ft; no flow at times, most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft<sup>3</sup>/s, July 27, gage height, 4.72 ft; minimum daily discharge, 0.00 ft<sup>3</sup>/s, on many days.

## DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004 DAILY MEAN VALUES

DAY						DAI	LY MEAN Y	VALUES					
2 21	DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
3 20	1	18						0.00	0.00	0.04	19		
4													
The color of the													
6 19													
The color of the	5	19					0.00	0.00	0.00	0.05	19	17	21
R													
9 16													
10													
11   20													
12													
13													
14													
15													
16												22	
17	15	18					0.00	0.42	0.05	0.05	20	17	19
18	16	18					0.00	0.24		4.7	26	16	
19	17	14					0.00	0.00	0.03	18	20	19	20
20	18	17					0.00	0.00	0.03	19	27	17	22
21   22	19	13					0.00	0.00	0.07	16	26	20	
22 9.1 0.00 0.00 0.09 9.2 21 0.50 24 23 3.4 0.00 0.00 0.00 0.12 19 26 0.35 e16 24 1.0 0.00 0.00 0.00 0.10 16 26 0.57 e17 25 0.43 0.00 0.00 0.00 0.10 12 5 24 0.62 e18 26 0.55 e16 25 0.43 0.00 0.00 0.00 0.11 25 24 0.62 e18 26 0.52 0.00 0.00 0.00 0.11 25 24 0.62 e18 27 0.56 0.00 0.00 0.00 0.00 0.	20	19					0.00	0.00	0.05	16	19	12	26
23 3.4 0.00 0.00 0.12 19 26 0.35 e16 24 1.0 0.00 0.00 0.10 16 26 0.57 e17 25 0.43 0.00 0.00 0.11 125 24 0.62 e18  26 0.52 0.00 0.00 0.00 0.11 25 24 0.62 e18  27 0.56 0.00 0.00 0.00 0.00 22 0.02 22 0.98 e20 28 0.44 0.00 0.00 0.00 0.11 21 19 0.87 e21 29 0.29 0.00 0.00 0.00 0.11 21 19 0.87 e21 30 11 0.00 0.00 0.00 0.11 21 13 0.72 e18 30 11 0.00 0.00 0.00 0.04 21 15 0.74 e21 31 21 0.00 0.00 0.08 11 0.66  TOTAL 431.74 0.00 0.00 0.08 11 0.66  TOTAL 431.74 0.00 0.00 0.08 11 0.66  TOTAL 431.74 0.00 0.00 0.00 0.00 0.03 7.1 0.65  MEAN 13.9 0.00 0.00 0.00 0.00 0.03 7.1 0.35 0.39  AC-FT 856 1.3 3.6 506 1,180 812 949  STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)  MEAN 20.4 0.00 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7  MAX 29.0 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7  MAX 29.0 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7  MAX 29.0 0.00 0.00 0.00 0.00 0.00 25.1 11.1 21.5 2.04 19.2 21.1 29.8  (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1996)  MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	21						0.00	0.00	0.07	14	9.8	0.79	
24 1.0 0.00 0.00 0.10 16 26 0.57 e17 25 0.43 0.00 0.00 0.00 0.11 25 24 0.62 e18 26 0.52 0.00 0.00 0.00 0.11 25 24 0.62 e18 26 0.52 0.00 0.00 0.00 0.00 0.10 14 24 24 0.78 e19 27 0.56 0.00 0.00 0.00 0.00 0.00 0													24
25 0.43 0.00 0.00 0.11 25 24 0.62 e18  26 0.52 0.00 0.00 0.00 0.10 14 24 0.78 e19  27 0.56 0.00 0.00 0.00 0.00 0.09 20 22 0.98 e20  28 0.44 0.00 0.00 0.00 0.11 21 19 0.87 e21  29 0.29 0.00 0.00 0.00 0.11 21 19 0.87 e21  30 11 0.00 0.00 0.00 0.11 21 15 0.74 e21  31 21 0.00 0.00 0.00 0.04 21 15 0.74 e21  31 21 0.00 0.00 0.00 0.04 21 15 0.74 e21  TOTAL 431.74 0.00 0.00 0.00 0.08 11 0.66  TOTAL 431.74 0.00 0.00 0.00 0.06 8.51 19.2 13.2 15.9  MAX 22 0 0.00 0.00 0.06 8.51 19.2 13.2 15.9  MAX 22 0 0.00 0.00 0.00 0.00 0.00 0.		3.4					0.00	0.00		19	26	0.35	e16
26         0.52            0.00         0.00         0.10         14         24         0.78         e19           27         0.56            0.00         0.00         0.09         20         22         0.98         e20           28         0.44            0.00         0.00         0.11         21         19         0.87         e21           29         0.29            0.00         0.00         0.11         21         13         0.72         e18           30         11           0.00         0.00         0.04         21         15         0.74         e21           31         21            0.00         0.00         0.04         21         15         0.74         e18           31         21             0.00         0.00         0.04         25         595.9         409.28         478.44           MEAN         13.9													
27	25	0.43					0.00	0.00	0.11	25	24	0.62	e18
28	26	0.52					0.00	0.00	0.10	14	24	0.78	e19
29 0.29 0.00 0.00 0.11 21 13 0.72 e18 30 11 0.00 0.00 0.00 0.04 21 15 0.74 e21 31 21 0.00 0.00 0.00 0.04 21 15 0.74 e21 31 21 0.00 0.00 0.00 0.00 0.08 11 0.66  TOTAL 431.74 0.00 0.08 11 0.66  TOTAL 13.9 0.00 0.00 0.00 0.00 0.00 0.00 8.51 19.2 13.2 15.9  MAX 22 0.00 0.00 0.00 0.00 0.00 0.00 0.													
30 11 0.00 0.00 0.04 21 15 0.74 e21 31 0.66  TOTAL 431.74 0.00 0.00 0.08 11 0.66   TOTAL 431.74 0.67 1.80 255.32 595.9 409.28 478.44 MEAN 13.9 0.02 0.06 8.51 19.2 13.2 15.9 MAX 22 0.02 0.06 8.51 19.2 13.2 15.9 MAX 22 0.42 0.15 25 33 28 29 MIN 0.29 0.00 0.00 0.00 0.00 0.03 7.1 0.35 0.39 AC-FT 856 1.3 3.6 506 1,180 812 949  STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)  MEAN 20.4 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7 MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8 (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1998) MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	28						0.00		0.11				e21
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MEAN 13.9 0.02 0.06 8.51 19.2 13.2 15.9 MAX 22 0.42 0.15 25 33 28 29 MIN 0.29 0.00 0.00 0.00 0.0	31	21					0.00		0.08		11	0.66	
MAX 22 0.42 0.15 25 33 28 29 MIN 0.29 0.00 0.00 0.00 0.03 7.1 0.35 0.39 AC-FT 856 1.3 3.6 506 1,180 812 949 STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)  MEAN 20.4 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7 MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8 (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1996) MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	TOTAL	431.74						0.67	1.80	255.32	595.9	409.28	478.44
MIN 0.29 0.00 0.00 0.00 0.03 7.1 0.35 0.39 AC-FT 856 1.3 3.6 506 1,180 812 949  STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)  MEAN 20.4 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7 MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8 (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1996) MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	MEAN	13.9						0.02	0.06	8.51	19.2	13.2	15.9
AC-FT 856 1.3 3.6 506 1,180 812 949  STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)  MEAN 20.4 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7  MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8  (WY) (1999) (1992) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1996)  MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	MAX	22						0.42	0.15	25	33	28	29
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)  MEAN 20.4 0.00 0.00 0.00 0.00 3.70 3.92 8.61 9.11 11.6 13.3 18.7 MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8 (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1998) (1996) MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	MIN	0.29						0.00	0.00	0.03	7.1	0.35	0.39
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MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8 (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1998) (1995) (1995) (2004) (1998) (1996) MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	STATIST	TICS OF M	ONTHLY M	IEAN DATA	A FOR WAT	TER YEARS	1991 - 2004	, BY WATE	ER YEAR (W	VY)			
MAX 29.0 0.00 0.00 0.00 0.00 25.1 11.1 21.5 20.4 19.2 21.1 29.8 (WY) (1999) (1992) (1992) (1992) (1992) (1996) (1998) (1995) (1995) (2004) (1998) (1996) MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	MEAN	20.4	0.00	0.00	0.00	0.00	3.70	3.92	8 61	9 11	11.6	13.3	18.7
(WY)       (1999)       (1992)       (1992)       (1992)       (1996)       (1998)       (1995)       (1995)       (2004)       (1998)       (1996)         MIN       0.00       0.00       0.00       0.00       0.00       0.02       0.06       0.45       0.12       0.23       0.00         (WY)       (1995)       (1992)       (1992)       (1992)       (1992)       (2004)       (2004)       (2002)       (2002)       (1992)       (1992)    SUMMARY STATISTICS WATER YEARS 1991 - 2004													
MIN 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.													
(WY) (1995) (1992) (1992) (1992) (1992) (1992) (2004) (2004) (2004) (2002) (2002) (1992) (1992) (1992) SUMMARY STATISTICS WATER YEARS 1991 - 2004													
SUMMARY STATISTICS WATER YEARS 1991 - 2004													
	("1)	(1)))	(1//2)	(1))2)	(1))2)	(1),2)	(1//2)	(2001)	(2001)	(2002)	(2002)	(1//2)	(1//2)
ANNIIAI MEAN	SUMMAI	RY STATI	STICS								WATER	YEARS 199	1 - 2004
	ANNUAL MEAN											2.82	

SUMMARY STATISTICS	WATER YEARS	s 1991 - 2004
ANNUAL MEAN	2.82	
HIGHEST ANNUAL MEAN	2.82	1992
LOWEST ANNUAL MEAN	2.82	1992
HIGHEST DAILY MEAN	41	Sep 27, 2002
LOWEST DAILY MEAN	0.00	May 24, 1991
ANNUAL SEVEN-DAY MINIMUM	0.00	May 24, 1991
ANNUAL RUNOFF (AC-FT)	2,040	•
10 PERCENT EXCEEDS	15	

0.00

0.00

e Estimated

50 PERCENT EXCEEDS

90 PERCENT EXCEEDS